



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554,080	10/21/2005	Shinya Adachi	38895	4611
52054 7590 05/12/2008 PEARNE & GORDON LLP 1801 EAST 9TH STREET SUITE 1200 CLEVELAND, OH 44114-3108			EXAMINER TRAN, DALENA	
			ART UNIT 3664	PAPER NUMBER
			NOTIFICATION DATE 05/12/2008	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patdocket@pearne.com  
dchervenak@pearne.com

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10554080	10/21/05	ADACHI, SHINYA	38895

PEARNE & GORDON LLP  
1801 EAST 9TH STREET  
SUITE 1200  
CLEVELAND, OH 44114-3108

**EXAMINER**

Dalena Tran

**ART UNIT****PAPER**

3664

20080507

**DATE MAILED:**

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

## Office Action Summary

Application No.

10/554,080

Applicant(s)

ADACHI, SHINYA

Examiner

Dalena Tran

Art Unit

3664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 21 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 10/21/05.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### Notice to Applicant(s)

1. This application has been examined. Claims 1-15 are pending.

The prior art submitted on 10/21/05 has been considered.

The rejection under 35 U.S.C. 102(b) below will use the submitted patent abstracts of Japan (2001-066146). Attached is a copy of a translation of the whole document.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 4-7, 10, and 13, are rejected under 35 U.S.C. 102(b) as being anticipated by patent translation of Japan (2001-066146) (refers to Adachi Shinya et al.).

As per claim 1, Adachi Shinya et al. disclose a route information transmitting method comprising: arithmetically processing position data of a plurality of points aligned along a route so as to convert the position data into statistically biased data and variable length coding the statistically biased data to obtain compressed data at the transmitting side (see [0016]; and [0040-0046]); transmitting the compressed data from the transmitting side to a receiving side (see [0026-0027]); and [0049]); and identifies the route by decoding the compressed data so as to restore the position data at the receiving side (see [0050-0054]).

As per claims 4-5, Adachi Shinya et al. disclose the transmitting side obtains the compressed data by implementing an equidistance re-sampling on the route, representing

Art Unit: 3664

position data of sampling point by a deviation angle and variable length coding the deviation angle, and the transmitting side obtains the compressed data implementing an equidistance re-sampling on the route, representing position data of sampling point by a deviation-angle estimated difference value and variable length coding the deviation-angle estimated difference value (see [0029-0034]; and [0040-0046]).

As per claim 6, Adachi Shinya et al. disclose performing a matching with digital map data held in a device of the receiving side using the restored position data so as to identify an object road on the digital map data at the receiving side (see the abstract; and [0015]).

Claims 7, 10, and 13, are apparatus claims corresponding to method claims 1, and 6 above. Therefore, they are rejected for the same rationales set forth as above.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2, 8, 11, and 14, are rejected under 35 U.S.C. 103(a) as being unpatentable over patent translation of Japan (2001-066146) (refers to Adachi Shinya et al.) in view of Jawerth et al. (US 2003/0231190A1).

As per claim 2, Adachi Shinya et al. do not disclose indicating a current point and a destination. However, Jawerth et al. disclose requesting, from the receiving to the transmitting side route information to the destination by indicating a current point and a

Art Unit: 3664

destination (see [0002-0006]); and calculating the route to the destination and obtaining the compressed data on the basis of the calculated route at the transmitting side (see the abstract; and [0009]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Adachi Shinya et al. by combining indicating a current point and a destination for accurately provide route guidance to the vehicle.

Claims 8, 11, and 14, are apparatus claims corresponding to method claim 2 above.

Therefore, they are rejected for the same rationales set forth as above.

6. Claims 3, 9, 12, and 15, are rejected under 35 U.S.C.103(a) as being unpatentable over patent translation of Japan (2001-066146) (refers to Adachi Shinya et al.) in view of Ichikawa et al. (4963865).

As per claim 3, Adachi Shinya et al. do not disclose traveling path with designating a range. However, Ichikawa et al. disclose requesting, from the receiving to the transmitting side, information on a traveling path, with designating a range (see column 6, lines 39-67); extracing a traveling path which falls within the range from past traveling path information stored in the transmitting side and obtaining the compressed data on the basis of the extracted traveling path at the transmitting side (see column 7, lines 1-67). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Adachi Shinya et al. by combining traveling path with designating a range for displaying traveling path within vehicle position.

Claims 9, 12, and 15, are apparatus claims corresponding to method claim 3 above.

Therefore, they are rejected for the same rationales set forth as above.

Art Unit: 3664

**Conclusion**

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

. Neukrichner et al. (4984168)

. Sato (6061627)

. Matsuno et al. (6223124)

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The examiner can normally be reached on M-W (in a first week of a bi-week), and T-R (in a second week of bi-week) from 7:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dalena Tran/  
Primary Examiner, Art Unit 3664  
May 8, 2008

